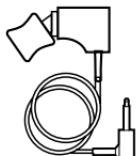
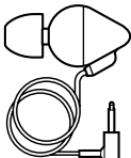


# **SHURE®**

## **Earphone User Guide**



**E1c**



**E2c**



**E5c**



**WARNING!**

DUE TO THE ISOLATING CHARACTERISTICS OF THESE EARPHONES, DO NOT USE THEM WHILE DRIVING OR WHILE BIKING, WALKING OR JOGGING WHERE VEHICULAR TRAFFIC IS PRESENT, OR IN ANY OTHER ACTIVITY WHERE A FAILURE TO HEAR SURROUNDING SOUNDS COULD BE DANGEROUS.



**WARNING!**

USING THESE EARPHONES AT EXCESSIVE VOLUMES  
CAN CAUSE PERMANENT HEARING DAMAGE.  
USE THE LOWEST VOLUME LEVEL POSSIBLE.

**CAUTIONS**

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Here are some general tips to follow for safe use of this product:

- Turn up the volume control only far enough to hear properly.
- Ringing in the ears may indicate that the volume level is too high. Try lowering the volume.
- If you are connecting these earphones to an airplane's sound system, listen at low levels so when loud messages from the pilot break into the program you do not experience discomfort.
- Shure recommends that you have your ears checked by an audiologist on a regular basis. If you experience wax buildup in your ears, stop using the earphones until an audiologist has examined your ears.
- Wipe the earphones with an antiseptic before and after use to avoid infections. Stop using the earphones if they are causing great discomfort or infection.

**EARPHONE FEATURES**

The Shure E1c, E2c and E5c earphones are ideally suited for use with CD players, MP3 players, and any other listening device that has a 3.5 mm (1/8-inch) stereo output.

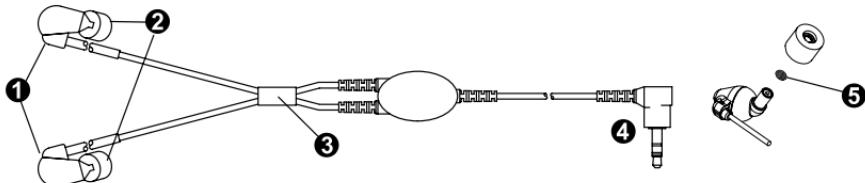
<b>Features:</b>	<b>E1c/E5c</b>	<b>E2c</b>
Low-mass, high-energy transducer	✓	○
Full-range dynamic transducer	○	✓
Universal fit	✓	✓
Variety of isolating sleeves included	✓	✓
Custom-molded sleeves optional	E1c only	○
Adjustment tube for securing cables	✓	✓
Tool for removing wax buildup in earphone	✓	○
Wax guard to prevent wax buildup in earphone	○	✓

✓ = Model has listed feature.

○ = Model does not have listed feature.

## EARPHONE COMPONENTS

The earphone components are illustrated below, using the E5c and E2c models as examples. Your earphone shape may vary, depending on the model.



- ❶ **Earphones.** For models E1c and E5c, the earphone with the BLUE marking fits in the left ear, while the earphone with the RED marking fits in the right ear. For model E2c, the bi-colored earphone fits in the right ear, while the earphone that is all one color fits in the left ear. When properly inserted, the Shure logo will appear right-side up on the outside of the earphone with the cable exit pointing upwards.
- ❷ **Sleeves.** The E1c and E5c earphones come with a pair of foam sleeves (installed), and a trial assortment of flex sleeves —small, medium, and large. The E2c earphones come with a pair of flex sleeves (installed) and a trial assortment of foam and flex sleeves in a variety of sizes. See *Sleeve Varieties* on page 5.
- ❸ **Adjustment Tube.** For a secure fit, slide the adjustment tube back and forth to adjust the slack of the cables leading to the earphones.
- ❹ **Input Connector.** 3.5 mm (1/8-inch) plug connects to the 3.5 mm stereo earphone output of a listening device.
- ❺ **Wax Guard.** (model E2c only) The earphones come with special wax guards (not installed) for keeping unwanted wax out of the nozzle.

## INSERTING THE EARPHONES

1. Insert the earphones using the following guidelines:

► Note the difference between the right and left earphones:

**E1c/E5c:** earphone with blue dot = left ear

earphone with red dot = right ear

**E2c:** earphone all one color = left ear

bi-colored earphone = right ear

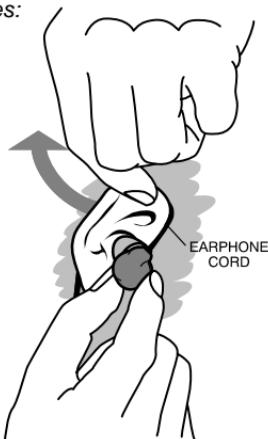
► When inserting the earphones, pull the ear upward and outward to straighten out the ear canal, as illustrated.

► **Flex sleeves** — Try the different sizes to determine the best fit for comfort and isolation.

► **Foam sleeves** — Compress the foam sleeve at the end of the earphone by rolling it between your thumb and forefinger before inserting it. Hold the earphone in place for about 30 seconds while the foam expands and creates a tight seal. The E2c comes with three sizes of foam sleeves: try the different sizes to determine the most comfortable fit.

► **The quality of the frequency response and sound isolation depend on how well the sleeves seal.** If the earphone seems to be lacking in low frequency response, insert the earphone deeper into the ear canal to obtain a better seal, or try a one of the other sleeve options.

2. **E1c and E2c:** wrap the earphone cord over the top and down the back of the ear.  
**E5c:** wrap the form-fitted wire over the top and down the back of the ear.
3. Use the adjustment tube to secure the cables comfortably.



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**CONNECTING TO A LISTENING DEVICE**

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1. Turn down the volume of your listening device.
2. Connect the 3.5 mm (1/8-inch) plug into the earphone output jack.
3. Insert earphones into your ears (see previous page).
4. Slowly raise the volume to a comfortable listening level.



**WARNING:** Always turn the volume down before plugging the earphones into a sound source.

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**SLEEVE VARIETIES**

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**Foam Sleeves.** These disposable foam sleeves compress to fit in the ear canal. Once in the ear, the foam expands to form a tight seal. Once tightly sealed, the sleeves hold the earphones firmly in place. The E1c and E5C come with yellow foam sleeves. The E2c earphones come with three sizes of orange foam sleeves to choose from —small, medium or large —for the best fit.



**Flex Sleeves.** These reusable sleeves, made of a pliable plastic, fit comfortably in the ear and allow for ease of insertion. Choose from 3 sizes — small, medium or large — for the best fit. These should be cleaned regularly, using alcohol wipes or an antiseptic.



**Triple-Flange Sleeves (optional accessory for E1c and E5c only).** These reusable sleeves form a tighter seal than flex sleeves while holding the earphones firmly in place. These should be cleaned regularly, using alcohol wipes or an antiseptic.

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**CHANGING SLEEVES**

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The sleeves at the end of the earphones can be replaced by sliding them off and on, as in the following illustration. A combination of twisting and pulling is recommended for sleeve removal.



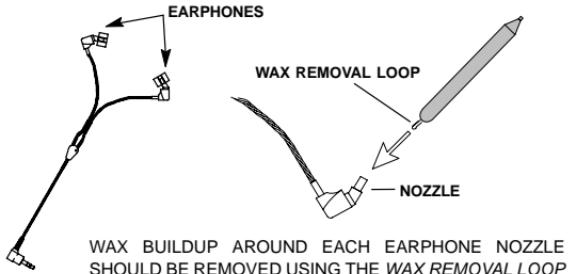
**NOTE:** On each foam sleeve there is a rough side and a smooth side. For greater comfort, Shure recommends that you place the smooth side facing out, away from the earphone. With the E2c model earphones, the sleeve will only fit the earphone properly with the smooth side facing out.

## CARE AND CLEANING

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Follow these tips to prevent service costs and ear infections:

- *Avoid getting moisture in the nozzle, as this can adversely affect sound quality. Sweat entering the nozzle may cause the earphone to temporarily stop working. However, normal operation often returns after the earphone dries out.*
- *Avoid striking or dropping the earphones. Extreme shock can damage them*
- *E1c/E5c: clean the nozzles after each use using the supplied wax removal tool (see figure 1 on the following page).*
- *E2c: Routinely check the wax guard on the tips of the nozzles (see figure 2 on page 8). If the wax guards appear to be clogged, replace them.*
- *Foam sleeves should be disposed of and replaced when they get dirty.*
- *Flex and Triple-Flange Sleeves should be cleaned with an antiseptic after each use.*



**FIGURE 1: E1c/E5c Wax Removal**

- *Wipe down the case and cable with an antiseptic after each use. Stop using the earphones if they are causing great discomfort or infection.*



**NOTE:** Nozzles can collect cerumen (earwax), which can clog the earphone and lower the sound quality. If you experience sound loss, check the nozzles for clogging before sending the product in for service. There is a service charge for removing wax.

For service in the U.S., return earphones to:

Shure Incorporated,  
Service Department,  
222 Hartrey Avenue,  
Evanston IL 60202-3696,  
U.S.A.

## **WAX GUARD**

You should place wax guards on the nozzle of your E2c earphones before using them.

To place a Wax Guard on one of your E2c earphones:

1. Remove the sleeve from the earphone nozzle.
2. If there is a dirty wax guard on the earphone, peel it off.
3. Clean the tip of the E2c nozzle with an antiseptic or alcohol wipe.

4. Make sure that the tip of the nozzle is dry, then remove a wax guard from the supplied strip and place it on the tip of the nozzle, adhesive side down.
5. Place the sleeve on the earphone.



**FIGURE 2: E2c Wax Guard Installation**



**IMPORTANT:** Do not place Wax Guards on sleeves! Wax guards are intended for use on the tip of the earphone only, otherwise they will not function properly.

## SPECIFICATIONS

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	E1c	E2c	E5c
<b>Transducer Type</b>	Low mass/ high energy	Dynamic	Dual low mass/ high energy
<b>Sensitivity (at 1kHz)</b>	113.5 dB SPL/mW	105 dB SPL/mW	122 dB SPL/mW
<b>Impedance (at 1kHz)</b>	29Ω	16Ω	110Ω
<b>Output Connector</b>	Gold-plated, 3.5 mm (1/8 in.), stereo plug		
<b>Cable Length</b>	1.52 m (60 inches)	1.57m (62 inches)	1.55 m (61 inches)
<b>Net Weight</b>	17 g (0.6 oz)	30 g (1 oz)	31 g (1.1 oz)

## **CERTIFICATION**

Eligible to bear CE marking. Conforms to European EMC Directive 89/336/EEC. Meets applicable tests and performance criteria in European Standard EN 55103 (1996) Parts 1 and 2, for residential (E1) and light industrial (E2) environments.

## FURNISHED ACCESSORIES

E1c Carrying pouch . . . . .	95B2232
E2c Carrying pouch . . . . .	95A2232
E2c Foam/Flex sleeve assortment w/ wax guards (2 each—small, medium, large) . . . . .	90WW1371
E5c Carrying pouch . . . . .	80B8232
E1c/E5c Flex sleeve assortment w/cleaning tool (2 each—small, medium, large) . . . . .	80D8228

## **OPTIONAL ACCESSORIES**

#### **E1c/E5c Earphones:**

### E2c Earphones:

**CUSTOM EAR MOLDS**

A Hearing Health Care Professional can make custom-fit ear molds for the E1c from impressions of your ears. Custom-made ear molds can provide better comfort and ambient noise isolation for some users. The E1c fits in a custom ear mold as shown in the following illustration.



For more information, contact:

Sensaphonics Hearing Conservation  
660 N. Milwaukee Avenue  
Chicago, IL 60622

Toll Free: (877) 848-1714  
In Chicago: (312) 432-1714 (ph)  
(312) 431-1738 (fax)

e-mail: [saveyourears@sensaphonics.com](mailto:saveyourears@sensaphonics.com)  
[www.sensaphonics.com](http://www.sensaphonics.com)



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